

SEQUENCE LISTING

<110> CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

<120> MOLECULAR METHODS FOR DETECTING GUAR GUM ADDITIONS
TO LOCUST BEAN GUM

<130> PATENT APPLICATION PCT/ES01/00079

<140> PCT/ES01/00079

<141> 2001-03-02

<150> ES2000000560

<151> 2000-03-08

<160> 10

<170> PatentIn Ver. 2.1

<210> 1

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of the Artificial Sequence:oligo ITS5

<400> 1

ggaagtaaaa gtcgtaacaa gg 22

<210> 2

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of the Artificial Sequence:oligo ITS3

<400> 2

gcatcgatga agaacgcagc 20

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of the Artificial Sequence:oligo ITS4

<400> 3

tcctccgctt attgatatgc 20

```

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of the Artificial Sequence:oligo PG21

<400> 4
gctgcgttct tcacgatgc 20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of the Artificial Sequence:oligo ITS2

<400> 5
tccaaaacaa gatggagtcg 20

<210> 6
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of the Artificial Sequence:oligo PG22

<400> 6
tgcctgggcg tcgcgctc 19

<210> 7
<211> 345
<212> DNA
<213> Cyamopsis tetragonoloba

<220>
<221> primer_bind
<222> Complement((2)..(23))

<220>
<221> SITE
<222> (228)
<223> n=a, c, g or t

<220>
<221> SITE
<222> (273)
<223> n=a, c, g or t

<220>
<221> primer_bind
<222> (325)..(344)

```

```

<400> 7
tggaaggaga agtcgtaaca aggtttccgt aggtgaacct gcggaaggat cattgtcgat 60
gcctcacaag cagtcggacc cgtgaacttg ttttgcttat ttagggttgg tttggggcgt 120
gtcaaaacac gccgaccttc ctttggttgg gagttgtctg ccttgcgtag ctttctctta 180
gcctttaaca aacccaccgg cgctacacgc gccaaagaaa cttaactntt ctgtgcgccc 240
ttgccagccc ggtaacggtg ctgtgtaggt tgngtttaga tacatgaatc aaaatgactc 300
tcggcaacgg atatctcggc tctcgcacgc atgaagaacg cagca 345

```

```

<210> 8
<211> 343
<212> DNA
<213> Ceratonia siliqua

```

```

<220>
<221> primer_bind
<222> (2)..(23)

```

```

<220>
<221> primer_bind
<222> Complement((323)..(342))

```

```

<400> 8
tggaaggaga agtcgtaaca aggttttccgt aggtgaacct gtggaaggat cattgtcgat 60
gcctcacaac acgaacgacc tgcgaattgg ttaaactatc gggggcgggg ggcgtgcgtc 120
ctccaagcc tccatgtcgg gaggcgcctg tggccccccg ccactcgtgc tacctcgacc 180
aaaaaactaa ccctggcggt taacgcgccca aggaactaca accagtgcgc gtgctcccca 240
tgacctggta acggcgatcg atcgatgagc gtcgtgacat tcttatccaa aatgactctc 300
ggtaacggat atctcggctc tcgcacgcgc gaagaacgca gca 343

```

```

<210> 9
<211> 405
<212> DNA
<213> Cyamopsis tetragonoloba

```

```

<220>
<221> primer_bind
<222> Complement((2)..(21))

```

```

<220>
<221> primer_bind
<222> (385)..(404)

```

```

<400> 9
tgcacgatg aagaacgcag cgaaatgcga tacttggtgt gaattgcaga atccccgcga 60
ccttcgagtc tttgaacgca agttgcgccc gaagccatta ggccgagggc acgcctgcct 120
gggcgtcgcg cgtcggttgc ctaactcgga cgtctcattt ggtgtcggtg agtggcgaat 180
ggtggcttcc cagcagcggt gcctcatggt tgggtgaaat tcgagtcctg ggtggaggat 240
gccacgattg atatggtggt tgagtaatta gctcgagacc catcgtgagc gactccatct 300
tgttttggac tctttgacct acatgagcat ctccgatgct cgttacgaga cctcagggtca 360
gacgggggta cccgctgagt ttaagcatat caataagcgg aggaa 405

```

```

<210> 10
<211> 410
<212> DNA
<213> Ceratonia siliqua

```

<220>
 <221> primer_bind
 <222> (2)..(23)

<220>
 <221> primer_bind
 <222> Complement((385)..(404))

<400> 10
 tgcacgatg aagaacgcag cgaaatgcaa tacttggtgt gaattgcaga atcttgtgaa 60
 ccatcaagtc tttgaacaca agttgtgccc gaagccatca agccgaaggc acgtctgcct 120
 ggggtgtcaca cactgtcgcc cccaccccggt ggcctctcgc gtggcttcga ggaatgggca 180
 gattatggcc ttccgtgagc ttcgcttat ggatggccca aaagagagtt cgcggtggcg 240
 actgccacga cgcacggtgg atgagcaaag actcaagacc agtcgtgcaa gtgtcatacc 300
 cgggattgcg ctcgagagacc cttcagcatc gcgaggtgca tatgcctcga acgggaccct 360
 aagtcaggcg gggctactcg ctgagtttaa gcatatcaat aagcggagga 410